

# PATENT APPLICATION FEE DETERMINATION RECORD

Effective December 8, 2004

Application or Docket Number

10/806680

## CLAIMS AS FILED - PART I

	(Column 1)	(Column 2)
TOTAL CLAIMS		
FOR	NUMBER FILED	NUMBER EXTRA
TOTAL CHARGEABLE CLAIMS	minus 20=	*
INDEPENDENT CLAIMS	minus 3 =	*
MULTIPLE DEPENDENT CLAIM PRESENT <input type="checkbox"/>		

\* If the difference in column 1 is less than zero, enter "0" in column 2

## CLAIMS AS AMENDED - PART II

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT A	3/1/06	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	* 31	Minus	** 30 = 1
Independent	* 4	Minus	*** 3 = 1
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT B		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	*	Minus	** =
Independent	*	Minus	*** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

	(Column 1)	(Column 2)	(Column 3)
AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR
Total	*	Minus	** =
Independent	*	Minus	*** =
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM <input type="checkbox"/>			

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SMALL ENTITY TYPE ☐

OR OTHER THAN SMALL ENTITY

RATE	FEE		RATE	FEE
BASIC FEE		OR	BASIC FEE	
X\$ 25=		OR	X\$50=	
X100=		OR	X200=	
+180=		OR	+360=	
TOTAL		OR	TOTAL	

SMALL ENTITY OR OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X\$ 25=		OR	X\$50=	50.00
X100=		OR	X200=	200.00
+180=		OR	+360=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	250.00

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X\$ 25=		OR	X\$50=	
X100=		OR	X200=	
+180=		OR	+360=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE		RATE	ADDITIONAL FEE
X\$ 25=		OR	X\$50=	
X100=		OR	X200=	
+180=		OR	+360=	
TOTAL ADDIT. FEE		OR	TOTAL ADDIT. FEE	



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/806,680 Confirmation No.: 1158  
Applicant : Narain D. Arora et al.  
Filing Date : March 22, 2004  
Title : Measurement of Integrated Circuit Interconnect Process Parameters  
Group Art Unit : 2825  
Examiner : Sun J. Lin  
Docket No. : 700693.4026  
Customer No. : 34313

Commissioner for Patents  
Mail Stop Fee Amendment  
P.O. Box 1450  
Alexandria, VA 22313-1450

*Fee only*

**RESPONSE TO OFFICE ACTION**

Sir:

In response to the Office Action mailed November 30, 2005, please amend the above-identified application as follows:

Amendments to the Drawings are reflected in the amendments to the drawings, which begins on page 2.

Amendments to the Claims are reflected in the listing of claims, which begins on page 3 of this paper.

Remarks begin on page 11 of this paper.

03/02/2006 H8UTERAI 00000010 150665 10806680

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**CERTIFICATE OF MAILING**  
(37 C.F.R. §1.8a)

I hereby certify that this paper (along with any referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450 Alexandria, VA 22313-1450.

February 27, 2006  
Date of Deposit

Lois Jean Kimmerle  
Name of Person Mailing Paper

*Lois Jean Kimmerle*  
Signature of Person Mailing Paper

Applicant : Narain D. Arora, et al.  
Appl. No. : 10/806,680  
Examiner : Sun J. Lin  
Docket No. : 700693.4026

capacitance are determined separately" (emphasis added). The importance of this and the fact that Kunikiyo fails to disclose this feature is discussed above. Applicants respectfully submit that Chou fails to teach or suggest anything remotely similar to independent capacitance determinations. Therefore, Applicants submit that Claim 1 is patentable for the reasons given above for Claim 11.

Claims 2-9 are patentable by virtue of their dependence on Claim 1.

#### New Claim

New Claim 31 depends from claim 11 and is therefore patentable for at least the reasons given for claim 11. Claim 31 is additionally patentable because Kunikiyo does not teach or suggest "determining the first capacitance and the second capacitance separately based on capacitance measurements of a **single** test structure." As discussed above, Kunikiyo does not even teach or suggest determining  $C_{up}$  and  $C_{low}$  **separately**, much less based on capacitance measurements of a **single** test structure. In fact, the measurement procedure of Kunikiyo requires capacitance measurements of **two** different test structures having different overlap lengths to determine  $C_c$  and  $C_v$  (see Kunikiyo, page 32, third paragraph).

#### Allowable Subject Matter

Applicants appreciate the Examiner's indication that Claim 20 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims. Applicants have rewritten claim 20 as claim 32 so that it includes all the limitations its base claim 11 had prior to amendment.

#### Conclusion

Applicants respectfully submit that this application is in condition for allowance, which is respectfully requested. Should the Examiner have any questions or comments on the application, the Examiner should feel free to contact the undersigned via telephone.

The Commissioner is authorized to charge any fee which may be required in connection with this Amendment to deposit account No. 15-0665.

Applicant : Narain D. Arora, et al.  
Appl. No. : 10/806,680  
Examiner : Sun J. Lin  
Docket No. : 700693.4026

Respectfully submitted,  
ORRICK, HERRINGTON & SUTCLIFFE LLP

Dated: 2/27/06

By: Eugene Worley  
Eugene Worley  
Reg. No. 47, 186

Orrick, Herrington & Sutcliffe LLP  
4 Park Plaza, Suite 1600  
Irvine, CA 92614-2558  
Tel. 650-614-7622  
Fax: 949-567-6710

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